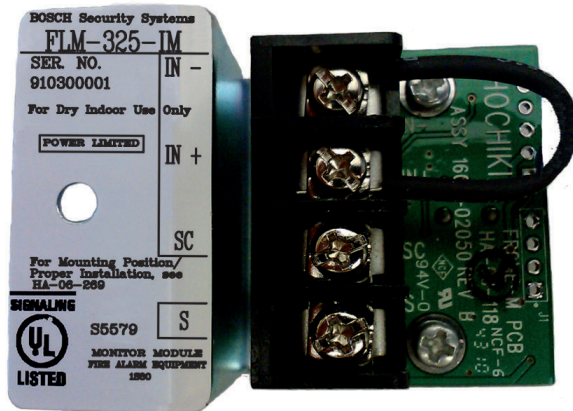




FLM-325-IM Contact Module



- ▶ Digital data communications and power provided over a two-wire circuit
- ▶ Advanced digital communications protocol compatible
- ▶ Class B circuit for dry contact devices
- ▶ Module address programming (1-254) with the D5070 Analog Device Programmer

The FLM-325-IM Contact Module provides a variety of fire alarm functions, such as monitoring manual pull stations, waterflow devices, or other dry contact fire alarm activation applications. The module allows for alarm, trouble, and supervisory conditions. The module is mounted inside of a single-gang back box and is normally out of view.

System Overview

The FLM-325-IM Contact Module allows compatible fire alarm control panels (FACP) to supervise Form A or B dry contact devices in a polling circuit. The module has an eight-bit microprocessor and communicates with the control panel (both power and data) over a two-wire polling circuit. The initiating device circuit (NFPA Style B) connected to the module can have up to 20 normally-open (NO) dry contact devices. Each module can monitor one normally-closed (NC) device (NC devices must be non-alarm applications).

Certifications and Approvals

| Region | Certification |
|--------|---|
| USA | UL UOXX: Control Unit Accessories, System (ANSI/UL 864) |

Installation/Configuration Notes

The following products are compatible with the FLM-325-IM Contact Module:

| Category | Product ID | Product Description |
|-----------------|-----------------|--|
| Control Panels: | FPA-1000 Series | Analog addressable fire panels |
| Pull Stations | FMM-325A | Analog addressable manual pull station (single action) |
| | FMM-325A-D | Analog addressable manual pull station (double action) |
| Programmers: | D5070 | Analog device programmer |

Data Circuit Length

Data (or polling) circuit length is the distance over the circuit wire from the connection at the FACP to the most distant device and back to the FACP. Data circuit length must include the distance to any device connected to the circuit in a T tap. The screw terminals can accept up to 14 AWG (1.5 mm) wire, but this reduces the allowable length of the circuit.

Refer to the *FPE-1000-SLC Installation Guide* (P/N: F01U078099) for specific wire instructions and specifications for the FPA-1000 series panels.

Initiating Device Circuit Connections

The initiating device circuit can use any number of UL-listed normally open (NO) contact closure devices. Device circuit wiring must not exceed 50 Ω . Install contact closure devices according to the manufacturer's installation instructions. All wiring must be supervised and power-limited.

Note Do not mix fire alarm initiating and supervisory devices on the same module.

Parts Included

| Quant. | Component |
|--------|--|
| 1 | Point contact module |
| 1 | EOL resistor: Hochiki P/N 0400-01046, 10 k Ω , ¼ W, ¼ in. |
| 1 | Literature – Installation Guide |

Technical Specifications**Electrical**

SLC Applied Voltage (rated range): 25.3 VDC to 39 VDC

SLC Current Consumption: Standby: 0.339 mA
Alarm: 0.358 mA

Resistance

End of Line Device 10 k Ω , 0.25 W per resistor

Initiating Device Circuit Less than 50 Ω

Environmental

Environment: Indoor dry

Relative Humidity: Up to 90%, non-condensing

Temperature: Operating: 0°C to +49°C (+32°F to +120°F)
Storage: -30°C to +70°C (-22°F to +158°F)

Mechanical

Dimensions (H x W x D) 2.375 in. x 1.75 in. x 0.5 in.
(60.325 mm x 44.45 mm x 12.7 mm)

Weight 20 oz (0.567 kg)

Trademarks

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Ordering Information**FLM-325-IM Contact Module**

Allows compatible fire alarm control panels (FACP) to supervise Form A or B dry contact devices in a polling circuit

FLM-325-IM

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